

PROCEEDINGS
OF THE
BIOLOGICAL SOCIETY OF WASHINGTON

A NEW CHIPMUNK FROM COLORADO.

BY EDWARD R. WARREN.

In the spring of 1905 I collected a single specimen of a chipmunk at Gaume's Ranch, Shell Rock Cañon, in the northwest corner of Baca County, Colorado, which seemed to belong to an undescribed form. In April of this year (1909) I was successful in collecting two more specimens of the same animal at Irwin's Ranch, in Tp. 29 S., R. 52 W., Las Animas County, Colorado, about twelve miles due west of the other locality.

The region where these animals were found is at an elevation of 5,000 feet and a little more, a sandstone mesa cut up by many gulches and shallow cañons, and covered with "cedar" (juniper) and piñon trees; locally it is known as "The Cedars." It is a very dry region, with practically no running streams and but few springs and water-holes. Evidently as a result of this dryness the colors of the animal are very pale and apparently faded, but an examination of the pelage of the specimens shows it to be practically unworn, and as the three at hand are quite identical in color and other characteristics I have no hesitation in describing it as a subspecies of *Eutamias quadrivittatus*, to which it is evidently closely allied, though differing much in color.

Eutamias quadrivittatus animosus subsp. nov.

LAS ANIMAS CHIPMUNK.

Type from Irwin's Ranch, Tp. 29 S., R. 52 W., Las Animas County, Colorado (elevation 5,000 feet). No. 3428, collection of E. R. Warren. ♀ adult. April 29, 1909. E. R. Warren. (This will be deposited in the U. S. National Museum.)

Characters.—Size as in *quadrivittatus*, possibly a little larger. The animal has a very pale rusty appearance, and the three specimens in my

possession are so much paler than a large series of typical *quadrivittatus* that there is no comparison to be made between them.

There are no cranial characters to distinguish it from *quadrivittatus*.

Color.—All colors pale. Inner pair of light stripes grayish white, outer pair quite clear white. Middle dark stripe narrow, blackish, pale chestnut or rufous bordered. Inner pair of dark stripes rather pale chestnut rufous, darkest posteriorly, with a little blackish; outer pair a pale shade of the same, not very distinct from the color of the sides, which are pale yellowish rufous. Post-auricular spot large and whitish. Top of head and shoulders quite gray. Dark facial stripes narrow and blackish, not clearly black. Flanks grayish. Upper surface of tail with less black and more rusty than in typical *quadrivittatus*, under surface of tail pale bright rufous, not the dark chestnut of *quadrivittatus*.

Measurements.—Type specimen: Total length, 247; tail vertebrae, 115; hind foot, 37. A male topotype measures 247; 105; 35.